

IN THE CLAIMS

Please amend the claims as follows:

Claim 1. (Currently Amended) A power transmission chain comprising:

a plurality of links having front and back insertion parts into which pins are inserted;

and

a plurality of first pins and a plurality of second pins for connecting the links aligned in a chain width direction so as to be bendable in a longitudinal direction such that a front insertion part of one link and a back insertion part of another link correspond to each other, in which a first pin fixed to a front insertion part of one link and movably fitted in a back insertion part of another link and a second pin movably fitted in the front insertion part of the one link and fixed to the back insertion part of the other link move relatively in a rolling contacting manner so as to enable bending in a longitudinal direction between the links,

wherein the pins are fixed to the front and back insertion parts by one of fitting by mechanical press-in, shrink-fitting, or cool-fitting, and the fixing is provided at edges of a respective insertion part orthogonal to the longitudinal direction of the insertion part,

and wherein at least one of following conditions is satisfied:

a difference in dimension between the pins and the respective front and back insertion parts in each of said links is 0.005 mm to 0.1 mm, wherein the pins have a larger dimension than the respective insertion parts;

a maximum tensile stress in a periphery of the insertion part after fitting is not more than 1000 MPa; and

stress in the periphery of the insertion part after fitting is 3 to 80% of an elastic limit.

Claim 2. (Original) The power transmission chain as claimed in claim 1, wherein the fitting is performed by mechanical press-in, and a press-in margin is 0.005 mm to 0.1 mm.

Claim 3. (Original) The power transmission chain as claimed in claim 1, wherein the fitting is performed by mechanical press-in, and the maximum tensile stress in the periphery of the insertion part after press-in is not more than 1000 MPa.

Claim 4. (Previously Presented) The power transmission chain as claimed in claim 1, wherein the fitting is performed by mechanical press-in, and the stress in the periphery of the insertion part after press-in is 3 to 80% of the elastic limit.

Claim 5. (Original) The power transmission chain as claimed in claim 1, wherein the fitting is performed by shrink-fitting, and a difference in dimension between the pin and the insertion part before starting shrink-fitting is 0.005 mm to 0.1 mm.

Claim 6. (Original) The power transmission chain as claimed in claim 1, wherein the fitting is performed by shrink-fitting, and the maximum tensile stress in the periphery of the insertion part after completing shrink-fitting is not more than 1000 MPa.

Claim 7. (Previously Presented) The power transmission chain as claimed in claim 1, wherein the fitting is performed by shrink-fitting, and the stress in the periphery of the insertion part after completing shrink-fitting is 3 to 80% of the elastic limit.

Claim 8. (Original) The power transmission chain as claimed in claim 1, wherein the fitting is performed by cool-fitting, and a difference in dimension between the pin and the insertion part before starting the cool-fitting is 0.005 mm to 0.1 mm.

Claim 9. (Original) The power transmission chain as claimed in claim 1, wherein the fitting is performed by cool-fitting, and the maximum tensile stress in the periphery of the insertion part after completing cool-fitting is not more than 1000 MPa.

Claim 10. (Previously Presented) The power transmission chain as claimed in claim 1, wherein the fitting is performed by cool-fitting, and the stress in the periphery of the insertion part after completing cool-fitting is 3 to 80% of the elastic limit.

Claim 11. (Previously Presented) A power transmission device comprising:
a first pulley including a sheave face in a conical surface shape;
a second pulley including a sheave face in a conical surface shape; and
a power transmission chain provided over the first pulley and the second pulley,
wherein the power transmission chain is according to any one of claims 1 to 10.

Claims 12-16. (Cancelled).